

ABSTRACT

The solid carrier-based microbial inoculant is manufactured over 700 degree Celsius material core temperature in absence of oxygen, Nitrogen free, does not contain any heavy metal or organic/inorganic contamination which can inhibit the microbial activity, containing phosphorus, made of animal bone charcoal, and the external and/or internal surface and/or internal pores are biologically active colonized with aerobic soil microorganisms by combined liquid and solid state fermentation process, which specific material and process resulting biological interactions between carrier and microorganism. The substance can be advantageously used for natural phosphorous supply of plant, biological control of soil born plant pathogens, biological degradation of organic contaminants, soil life and fertility improvement which solid carrier containing phosphorus, made of animal bone charcoal.